MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1 2022/2023 (TERM ID 2215)

DCS5111 – COMPUTER CONCEPTS & APPICATIONS

(DIT)

14 FEBRUARY 2023
2.30 p.m. – 4.30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 7 pages.
2. Answer **ALL** questions.
3. For Part A: Multiple Choice Questions, choose and record your choice in pencil on the multiple choice answer sheet provided.
4. For Part B: Structured Questions, write all your answers in the answer booklet provided.

PART A: MULTIPLE CHOICE QUESTIONS [20 MARKS]

1. Physical part of a computer are known as_____.
   A. software
   B. hardware
   C. operating system
   D. system unit

2. _____ creates a link between a user and the computer.
   A. Device Driver
   B. Utilities
   C. Operating System
   D. Image Viewer

3. The main memory of computer is also called as _____.
   A. primary storage
   B. hard-disk
   C. secondary storage
   D. internal memory

4. _____ has the shortest access times.
   A. Virtual Memory
   B. Secondary Memory
   C. Cache Memory
   D. All of the above

Continued...

5. Which of the following is **NOT** an example of system software?

   A. Language Translator

   B. Utility Software

   C. Communication Software

   D. Word Processors

6. Refer to the URL below:

   http://www.mmu.edu.my/FIST/

   The portion labeled " www.mmu.edu.my " is the _____.

   A. protocol

   B. domain name

   C. path

   D. top-level domain

7. _____ is designed to solve a specific problem or to do a specific task.

   A. Application software

   B. System software

   C. Utility software

   D. User

8. Which unit is responsible for converting the data received from the user into a computer understandable format?

   A. Software Memory Unit

   B. Arithmetic & Logic Unit

   C. Input Unit

   D. Output Unit

Continued...

9. In graphical user interface of operating system, to point a file, a user uses _____.

   A. pointer
   B. common line interface
   C. file-based interface
   D. voice based interface

10. Which of the following can be considered as the correct process of Data Mining?

   A. Exploration, Infrastructure, Analysis, Interpretation, Exploitation
   B. Infrastructure, Exploration, Analysis, Interpretation, Exploitation
   C. Infrastructure, Exploration, Interpretation, Analysis, Exploitation
   D. Exploration, Infrastructure, Analysis, Exploitation, Interpretation

11. Files and directories of graphical user interface of operating system programs are known as _____.

   A. commands
   B. graphics
   C. text
   D. folders

Continued...

12. Choose the correct statements is about data mining.

I. It can be referred to as the procedure of mining knowledge from data.

II. Data mining can be defined as the procedure of extracting information from a set of the data.

III. The procedure of data mining also involves several other processes like data cleaning, data transformation, and data integration

IV. Cluster analysis and Evolution analysis

A. I, II & III

B. I, II & IV

C. I, III & IV

D. I, II, III & IV

13. The main function of computer software is to turn data into _____.

A. information

B. program

C. object

D. system

14. Which of the following is not application software?

A. MS-Word

B. Google Docs

C. Adobe Acrobat

D. Turbo C compiler

15. Syntax is described by _____ that defined the form of a language.

A. a set of rules

B. keywords

C. semantics

D. program

Continued...

16. Selection of system development life cycle is based on

I. requirements.

II. technical knowledge of development team.

III. users.

IV. project types and associated risk.

A. I & II

B. I, II & III

C. I, III & IV

D. I, II, III & IV

17. Which of the following is not a quality of a programming language?

A. Easy

B. Reliability

C. Readability

D. Efficiency

18. Which type of data can be stored in the database?

I. Image oriented data

II. Text, files containing data

III. Data in the form of audio or video

A. I & II

B. I & III

C. II & III

D. I, II & III

Continued...

19. In which of the following formats data is stored in the database management system?

A. Image

B. Table

C. Text

D. Graph

20. Which of the following are known as office-oriented application software?

I. Network software

II. backup system

III. Interpreters, Compilers, editors

IV. Word processors, spreadsheets, database

A. I & II

B. III & IV

C. I, II & III

D. I, II, III & IV

Continued...

PART B: STRUCTURED QUESTIONS [20 MARKS]

QUESTION 1 [5 Marks]

a) List **ONE (1)** example of the computing device available nowadays. [1 marks]

b) A Mathematician is performing a math problem using programming. Follow the steps of the machine cycle and arrange the steps listed in the box below (from step 1 to step 4).

- The ALU executes the instructions to get the answer to the math problem.
- The control unit decodes that math problem into instructions the computer understands.
- The problem's answer is sent to and stored in memory where it can be accessed and displayed to the user.
- The computer user enters a math problem that's stored in memory. The computer fetches that instruction from memory.

[4 marks]

QUESTION 2 [5 Marks]

a) Describe **TWO (2)** common network security threats are perhaps the most dangerous to enterprises. [2 marks]

b) Describe **THREE (3)** advantages of wireless networking to everyday life. [3 marks]

QUESTION 3 [5 Marks]

a) Describe **TWO (3)** things you can do with Internet of Things (IoT). [3 marks]

b) List **TWO (2)** examples of IoT. [2 marks]

QUESTION 4 [5 Marks]

a) Describe malware and problems caused by malware. [3 marks]

b) List **TWO (2)** common Types of Malware Attacks. [2 marks]

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